

West Valley Sanitation District
100 East Sunnyoaks Avenue, Campbell, CA

I. Presenter: Kelvin Hatchett, Operations Supervisor

Respondent: Edward H. Oyama, Director of Engineering and Operations

II. Treatment Plant Characteristics:

- Wastewater Collections
- 28 employees
- 108,000 customers served

III. Innovation:

A. Description

Implementation of Computerized Maintenance Management Systems (CMMS)/Geographical Information Systems (GIS) and Field Integration Technology

B. Type of Innovations

- Increased use of Information Technology
- Modification of workflow processes or classifications
- New approach to documentation, technical training, staff development, or knowledge management
- Optimization of existing resources
- Reduction of sanitary sewer overflow (SSO) volumes and reduction of Category 1 spill rates.

C. Motivation for Innovations

Eliminate dependency on paper mapping and provide an interactive mapping system to assist the maintenance workers to enable them to perform their jobs more effectively and efficiently.

D. Barriers/Challenges

Finding software and hardware that is very user-friendly and has an excellent track record to avoid discouraging the relatively non-technical maintenance worker.

E. Benefits

In addition to saving 45 days-per-year of labor associated with paper maps, the field integration has provided the novice maintenance worker immediate access to information that the seasoned maintenance worker knew from memory.

F. Effect on Staff Training

Raised the competency level of all maintenance worker staff and specialized training in the use of the field software and hardware was required.

G. Lessons Learned

Time spent panning, researching, and assembling a representative team of stakeholders was key to a successful outcome.

IV. Information Sharing:	Yes	No
Willing to host on-site tour	X	
Willing to visit another regional water/wastewater facility to provide presentation on innovation	X	
Willing for staff member from other utility to conduct a follow-up visit to learn more about innovations	X	
Interested in on-line forum to discuss water/recycling/wastewater treatment issues		X